

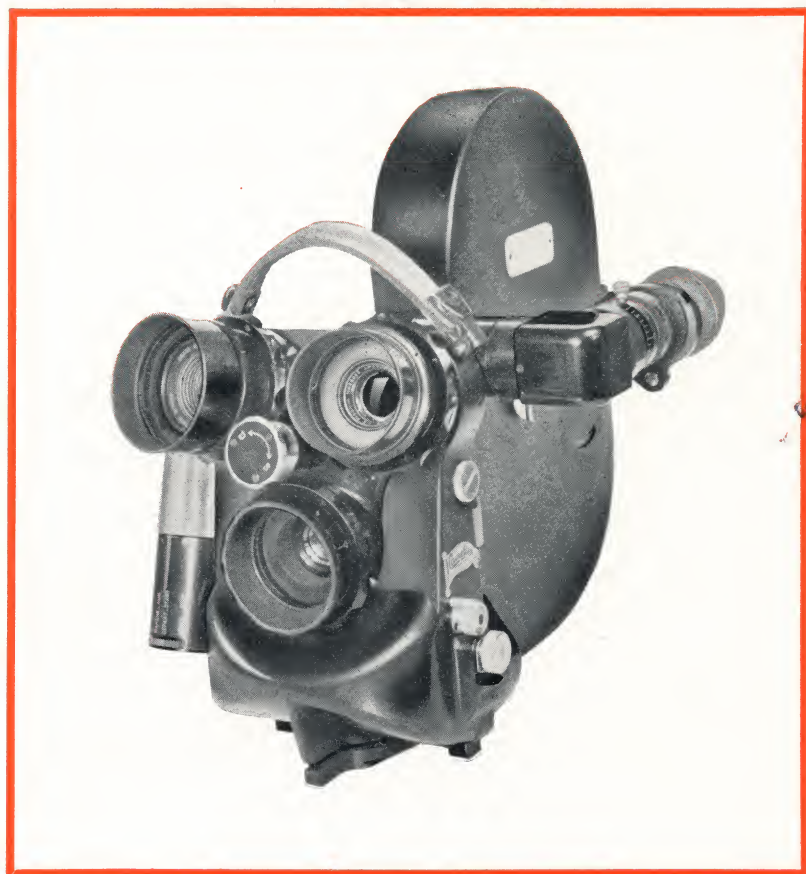
CAMERA SERVICE CENTER, INC.

333 WEST 52nd STREET

NEW YORK 19, NEW YORK



VERSATILE
STURDY
PRECISE
RELIABLE



CAMEFLEX CM 3

THE ONLY PORTABLE 120 Metres CINE CAMERA

REFLEX VIEW-FINDER

DIVERGENT TURRET

AUTOMATIC LOADING

ADJUSTABLE SHUTTER FROM 35° TO 200°

INTERCHANGEABLE MOTORS

ABSOLUTELY STEADY MOVEMENT



ÉCLAIR INTERNATIONAL DIFFUSION

OPÉRA 50-20

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CINÉCLAIR-PARIS

GENERAL CHARACTERISTICS



The **CAMEFLEX** has the astonishing feature of being more easily portable, although designed for 120 metres, than the lightest of 30 metres units ; this is due to the natural position which it takes up when the operator places the magazine on his right shoulder, holding the motor with his right hand and supporting the bottom of the unit with his left hand.

The **REFLEX VIEW-FINDER** which can be adjusted positionally (i.e for left eye or right eye) and dioptrically, enables positions causing discomfort to the operator to be generally avoided. The clear and accurate Reflex view-finding system means that while he is actually "shooting", he can watch the scene as it will be projected.

The **DIVERGENT TURRET** is operated with one hand, and centres the taking lens on the film gate with absolute accuracy. It takes 3 lenses, and enables the shortest focusses (5.7 mm) to be used, mounted side by side with the longest tele-lens, without masking the field.

The **SHUTTER** is adjustable between 200° and 35°, and the CAMEFLEX CM3 thus has unsurpassed luminosity. It cuts the beam of light at a very small distance from the focal plane, enabling perfect image-contrast, without shadow, to be obtained.

This camera, which is of light alloy, with a black anodised protective finish, includes the **self-lubricating "mono-block" film-feed mechanism** which operates the feeding claws.

The **NEW FILM CANAL** of chromium-plated steel, is fitted at the side with a pressure-device, which guides the film over 14 perforations and holds it against a fixed bar, i.e. throughout the whole of its trajet from the film-gate to the feeding claws.

This new device, supplemented by a set of permanent pressure-pads mounted on the magazines, ensures **absolute lateral and vertical steadiness** whatever the film used.

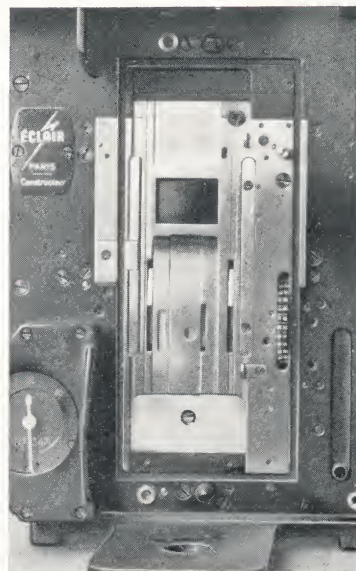
The special profile of the various parts of the film-feed mechanism prevents it from damaging the image-part and provides an absolute guarantee against the danger of scratches, at any time during the transport of the film.

A **GELATINE HOLDER** can be placed in between the shutter and the film-gate of the 35 mm film. In its place, any **MASK** may be mounted, either in order to produce special effects or in order to delimit the impression-surfaces corresponding to the various image-ratios used : 1 : 1.66 - 1 : 1.85, etc. In this case, the ground glass can be engraved with reference marks to enable a check to be kept on the view-finding field resulting from the said masks.

A **TACHOMETER** mounted on the rear surface, and graduated from 8 to 40 images, indicates the rate of "shooting".

The **DOVETAILED BASE** renders the apparatus perfectly stable when placed on the ground or on any other flat surface, and also enables it to be mounted immediately on the CAMEFLEX tripod when required.

The **MOTORS** are easily interchangeable, being of the bayonet-plug type. Various models of motors are available : 6/8 Volt Adjustable speed ; 12 Volt (regulated) ; 12 Volt with frequency-generator to be connected with the **PERFECTONE EP6A** tape recorder ; 24 Volt with rheostat or magnetic brake, for frame by frame and long-distance operation ; 110 Volt and 220 Volt single-phase and three-phase, etc. A **HAND-DRIVE** is also provided, to enable 1, 8 or 16 images per handle-turn to be obtained.



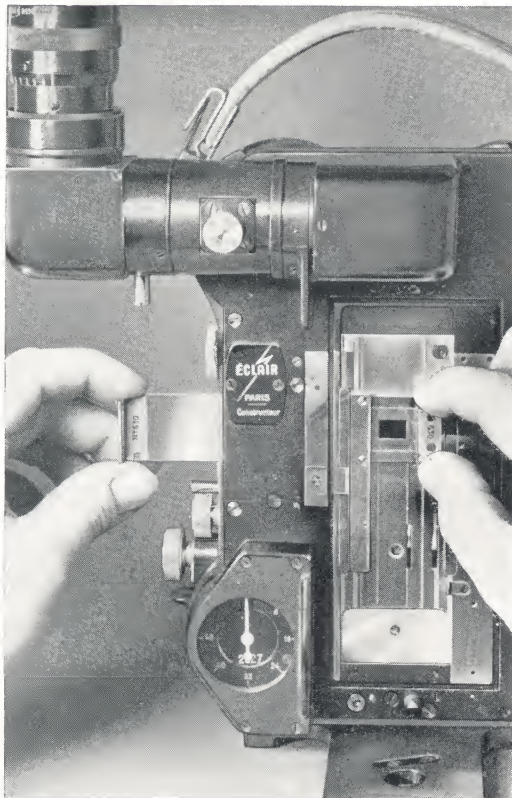
CAMEFLEX CM3 35 STANDARD

The **GATE-APERTURE** of the camera (dimensions : 16×22 mm) provides the sound-margin.

The **GROUND GLASS** provides the frame corresponding to the film gate.

For research work, or for taking scenes in motion, the gate can be notched, in order to make the axes visible. The ground glass is then engraved accordingly, to ensure accurate view-finding, in exact accordance with the image registered. The checking of the negatives, image by image, enables all necessary corrections to be made for locating errors.

CAMEFLEX CM3 16/35 STANDARD



In this revolutionary camera, TWO PROFESSIONAL CAMERAS - one of 35 mm and the other of 16 mm - are COMBINED for the very first time in the history of cinematography.

The film-size can be changed in **3 seconds**, merely by placing a **16 mm GATE** in the 35 mm gate aperture. In this case, special magazines for 16 mm film are used.

The **FOCAL PLANE** is exactly the same for both sizes.

The film is fed along the central part of the 35 mm canal, which is set back underneath the 35 gate and is driven by the single 16 claw mounted on the same axis as the 35 claws.

The 16 mm films run thus just as accurate as that of the 35 film, and the **STEADINESS** and **SHARPNESS** of the images obtained are exactly the same in either case.

Professional lenses used on 16 mm film, ensure maximum definition of the image obtained. Lenses from 5.7 mm focus onwards can be mounted on the camera.

The ground glass is engraved in its centre with the 16 mm frame.

The 16 mm accessories are kept in a little box affixed to the rear surface of the camera.

The gate aperture may be notched, if desired.

CAMEFLEX CM3 SCOPE

The CAMEFLEX CM3 35 or 16/35 can be supplied for taking "anamorphosed" views.

The dimensions of the **GATE APERTURE** are then 18.67×23.80 . A set of masks is provided to enable the standard filming ($1 : 1.33$) or any other desired size to be obtained on the film.

The **GROUND GLASS** gives the **INTEGRAL** view of the largest of the sizes. It is engraved with reference-marks for the various frames.

The **TURRET** contains one lens-holder centred on the SCOPE frame and the other two on the standard frame.

The standard removable view-finder can be replaced by a **SPECIAL VIEW-FINDER** to enable the "anamorphosed" images to be observed correctly. The operator sees the image recorded just as it will be projected.

CAMEFLEX AUTOMATIC MAGAZINES

35 mm MAGAZINES

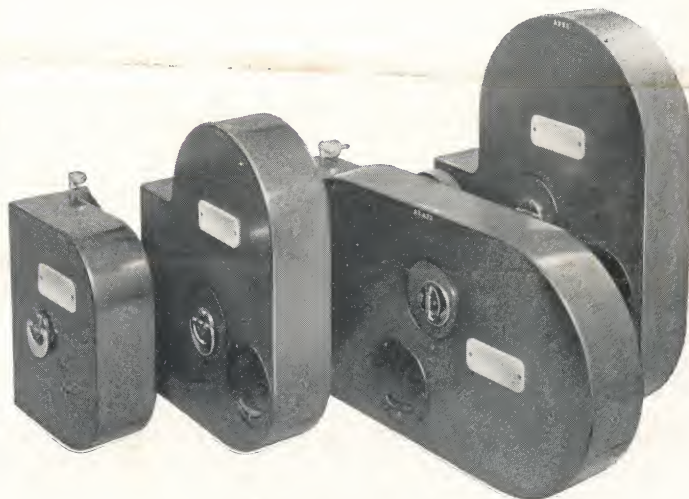
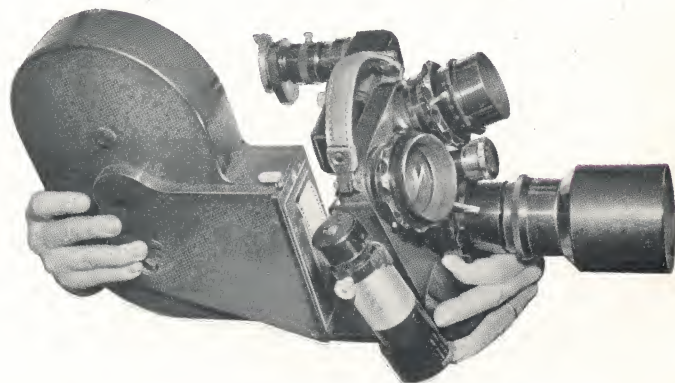
The CAMEFLEX magazines are rightly called **AUTOMATIC**, for their unique device enables the camera to be loaded immediately, even while in operation.

The **400 ft. STANDARD** model is that most usually employed. However, the **100 ft.** model forms a compact unit with the camera, while **THE 400 ft. AQUAFLEX** type enables the entire unit to be stored away in spaces allowing very little free height, such as an aeroplane-wing. A **200 ft.** model can be supplied on request.

The film placed on its original spool, is loaded with emulsion outside or inside.

An automatic feed-lock is provided to prevent any displacement in the course of transport.

The "Loop" is permanently controlled.



The magazine is fixed in position **instantaneously**. The only operation required is to push it on over the body of the CAMEFLEX.

The magazine is released by depressing the upper push-knob; positioning or removing the magazine automatically opens or closes the light-trops.

A **COUNTER** provided on the cover indicates the footage of unexposed film left in the 16 mm magazine.

16 mm MAGAZINES

The 16 mm magazine, as a whole, is arranged in the same way as the 400 ft. 35 mm magazine.

Its film-capacity is 400 Feet, on standard spool, and in this case, it is loaded in a dark-room.

However, the feed-spool and take-up spool are detachable, and once they have been removed, the spingles will appear for mounting the 100 — and 200 — ft. spools with square holes.

Daylight loading is then possible.

The same kind of counter is provided on the cover as on the 35 mm magazine in addition to which a further counter is provided on the back of the magazine, indicating the exact number of feet exposed.

